

Sprint 4 Plan - EasyTrage, TeamTrage

Sprint completion date 3/18/18

Revision 1, Revision Date 3/04/18

Red = unmet goal, blue = revision

Goals: Implement user account settings controls, enable automated trading for each coin and implement functionality to view past trades

Tasks:

1. (8 story points) User story 0: As a user, I want to be able to edit my account settings and input my API keys of my exchange accounts
 - a. Make 'Settings' component with a form linked from the Dashboard where users can edit fields pre-populated with their current settings data (2-4 hours)
 - b. Make settings route on /api/auth route on the backend to accept settings data upon submission of settings form and edit user's db entries as appropriate (2-4 hours)
2. (5 story points) User story 1: As an EasyTrage user I want the trade suggestions to take withdrawal fees and my balances into account
 - a. Get user's balances from exchanges every n seconds (2-4 hours)
 - b. Pull user's balances from db, subtract withdrawal fees of suggested trade from appropriate balance to see if a profit still persists after applying withdraw fees (4 hours)
 - c. Maybe return specific trades per user from the /suggestedTrades route by having the user's JSON web token passed in as an auth header for the request (2-4 hours, maybe unnecessary, can probably just use specific trades per user for the bot only)
3. (13 story points) User story 2: have a bot server-side trade on my behalf
 - a. Use suggested trades with withdraw fees taken into account to execute trades if they are still profitable (2-4 hours)
 - b. Use withdrawal fees to see if moving the USDT/ETH the XRP was sold for to the first exchange again the redo the trade will kill the profit on redoing the trade, if not, loop the trade till it isn't profitable (4-6 hours)
 - c. Use withdrawal fees to see if user's coins can be moved to another exchange to initiate a good suggested trade without losing the profit from that trade (2-4 hours)
4. (5 story points) User story 3: As a user, I want to see all my past trades and profits/losses
 - a. Whenever the bot trades, append the trade into the user's DB entry with time, prices, etc (1-2 hours)
 - b. Make dashboard component to pull and display n recent trades by the bot (or maybe just all) on the user's behalf (2-4 hours)

Roles:

- Mike Hamilton: Developer
- Christopher Kong: Developer
- Kevin Lee: Developer
- Vikram Melkote: Product Owner, Developer
- Abdul Mohamed: Scrum Master, Developer

Task Assignment:

- Mike Hamilton: User Story 0: a, b, User Story 1: a, b, User Story 2: a
- Christopher Kong: User Story 0: a, User Story 1: a, b
- Kevin Lee: User Story 2: a, b, c, User Story 3: a, b
- Vikram Melkote: User Story 1: a, b, User Story 2: a, b, c, User Story 3: a, b
- Abdul Mohamed: User Story 1: a, b, User Story 2: a, b, c

Burnup Chart:

